ICB-1000W

USA Model
E Model
AUS Model

TRANSCEIVER

SPECIFICATIONS

GENERAL

Frequency:	CH-A 27.085 MHz } (E, USA model) CH-B 27.035 MHz 27.240 MHz (AUS model)
Communication System:	Push-to-talk system (one-way system)
Semiconductors:	1 IC, 1 FET, 14 transistors, 5 diodes
Antenna:	Telescopic antenna 1,445 mm (4 ft 9 in)
Speaker:	Permanent dynamic speaker 5 cm dia (2" dia), 8 Ω
Microphone:	Dynamic microphone, 200 Ω
Power Requirement:	DC 12 V penlight battery size "AA" 8 pcs Car battery DC 12 V by using SONY car battery cord DCC-6
	AC 120 V 60 Hz (USA model), 110, 120, 220, 240 V 50/60 Hz (E, AUS model) by using AC adaptor AC-12
Covering Distance:	In town 1 ~ 2 km, 0.5 ~ 1 miles In the suberbs 6 ~ 8 km, 3.5 ~ 5 miles Over water, flat and open place 80 ~ 160 km, 50 ~ 100 miles
Dimensions:	66 (w) x 280 (h) x 86 (d) mm $2\frac{5}{8}$ (w) x 11 (h) x $3\frac{3}{8}$ (d) inches
Weight:	1.3 kg, 2 lb 8 oz (including batteries)

TRANSMITTER SECTION

Circuit:	Crystal controlled oscillator
Frequency Tolerance:	± 0.005 %
Output Power:	500 mW
Modulation:	Emitter modulation in oscillator Simultaneous collector modulation in buffer stage and final stage
Current Drain:	109 mA at no dodulation

RECEIVER SECTION

Circuit:	Superheterodyne using crystal controlled local oscillator
Intermediate Frequency:	455 kHz
Maximum Sensitivity at 50 mW output:	−13 dB (0.22 μV)
Signal-to-Noise Ratio:	44 dB (at 44 dB input)
Selectivity:	57 dB at 27.085 MHz ± 10 kHz off-resonance
Maximum Power Output:	490 mW
Current Drain:	15 mA at zero signal 7 mA at stand-by position

SONY®

SERVICE MANUAL

54

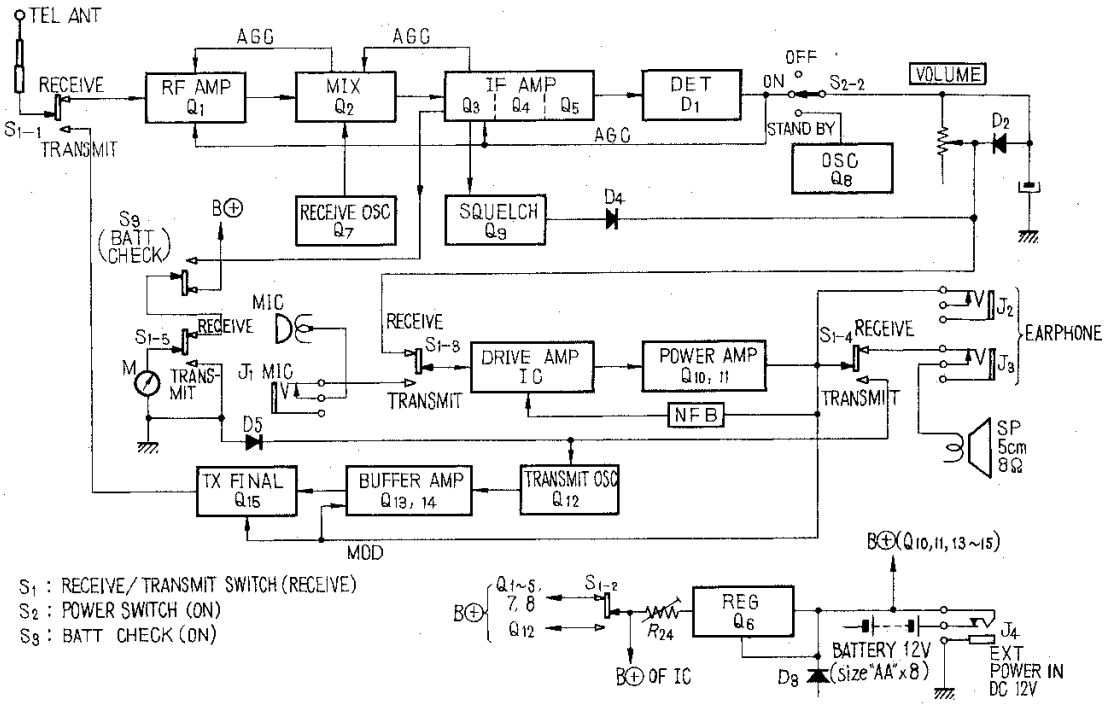
TABLE OF CONTENTS

Section	*Title*	*Page*
	specifications	1
1.	**OUTLINE**	
	1-1. Block Diagram	3
	1-2. External View	3
	1-3. Stand by Circuit Operation	4
2.	**DISASSEMBLY**	
	2-1. Telescopic Antenna Removal	5
	2-2. Antenna Lock Removal	5
	2-3. Rear Cabinet Removal	5
	2-4. Printed Circuit Board Removal	5
	2-5. Printed Circuit Board Installation	5
3.	**ADJUSTMENTS**	
	1. Power Voltage Adjustment	6
	2. I-f Section Adjustment	6
	3. Sensitivity Adjustment	7
	4. SQUELCH Level Adjustment	7
	5. Transmitter Output Power Adjustment	8
	6. Loading Coil Adjustment	9
4.	**DIAGRAMS**	
	4-1. Schematic Diagram	11
	4-2. Mounting Diagram	13
5.	**EXPLODED VIEW AND PACKING**	
	5-1. Exploded View	15
	5-2. Packing	17
6.	**ELECTRICAL PARTS LIST**	18
7.	**HARDWARE**	20

When ordering replacement parts, use PART NUMBERS listed in Parts Lists or shown in EXPLODED VIEWS. Parts List reference numbers should not be used.

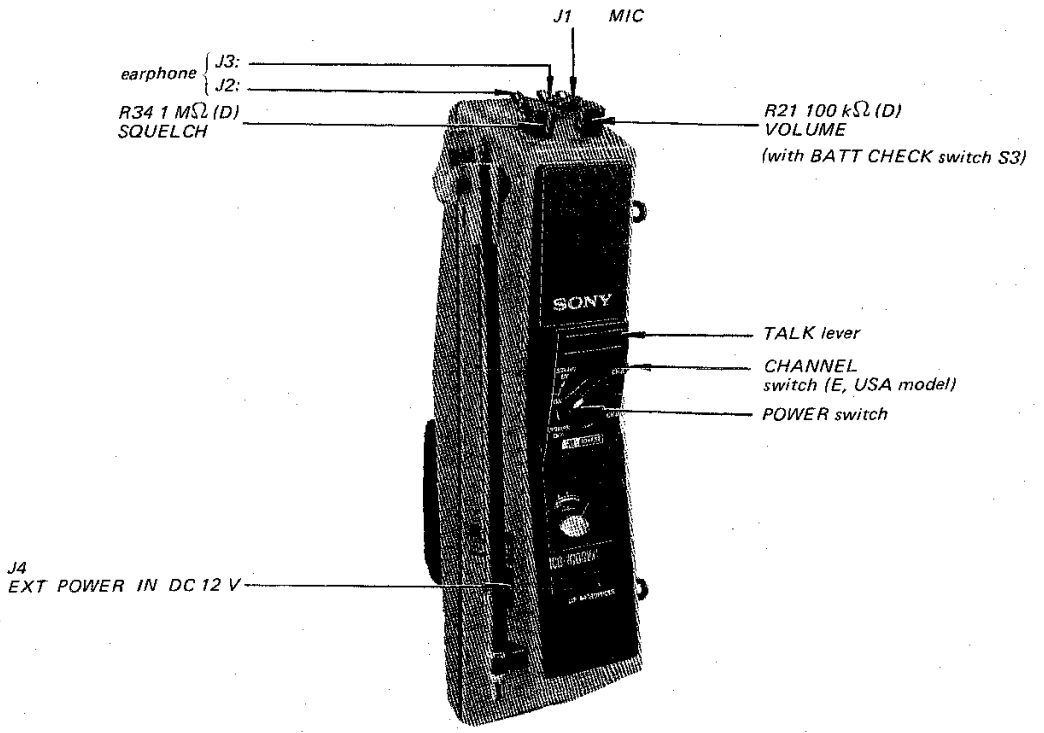
SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM

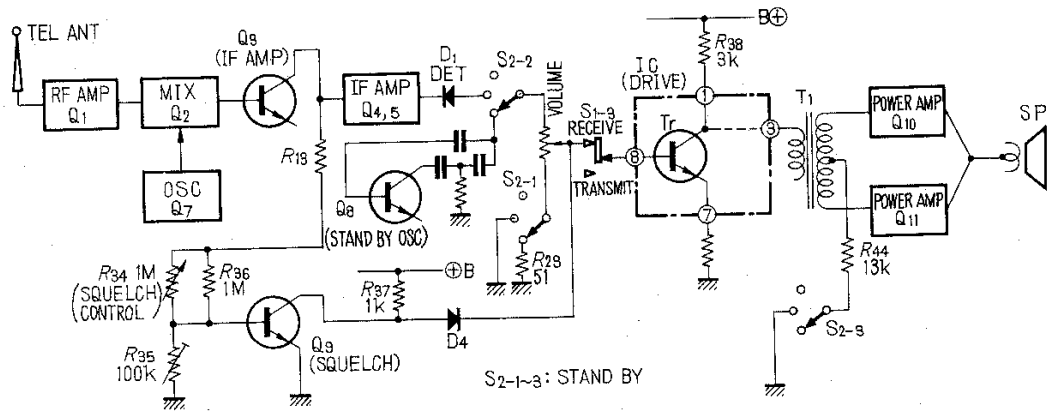


S_1 : RECEIVE/ TRANSMIT SWITCH (RECEIVE)
S_2 : POWER SWITCH (ON)
S_3 : BATT CHECK (ON)

1-2. EXTERNAL VIEW



1-3. STAND BY CIRCUIT OPERATION



ICB-1000W uses STAND BY circuit consisting of SQUELCH and STAND BY osc circuits.

STAND BY circuit operates when the unit receives signal of higher level than the level controlled with SQUELCH knob, and STAND BY osc signal of 1 ~ 2 kHz appears through speaker.

When a signal is received and transferred to Q3 collector, Q9 collector current increases and flows through R37. Voltage drop across R37 decreases the collector voltage. When input signal level is higher than the level controlled with SQUELCH knob, D4 is reverse-biased and turns OFF. Then STAND BY osc signal is amplified through IC and power amp and appears through speaker.

When the input signal level is lower, Q9 collector current decreases and D4 is normal-biased.

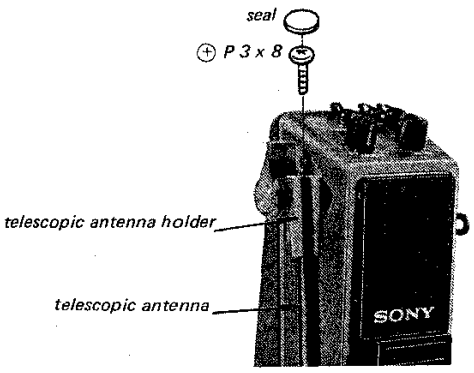
Therefore collector current of transistor in IC increases and collector voltage drops to make voltage between collector and emitter almost zero. So amplifying function of IC stops and STAND BY osc signal does not appear through speaker.

Note:

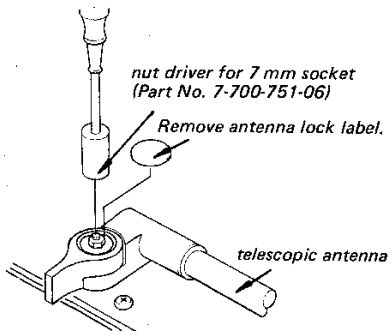
1. In STAND BY mode, R23 51 Ω is connected in series with VOLUME control so that STAND BY osc signal is audible with VOLUME control at fully counterclockwise position.
2. In STAND BY mode, R44 13 kΩ is opened to decrease battery exhaustion.

SECTION 2
DISASSEMBLY

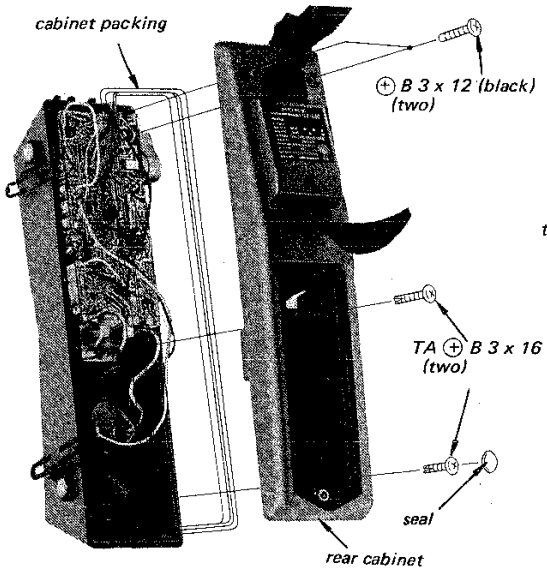
2-1. TELESCOPIC ANTENNA REMOVAL



2-2. ANTENNA LOCK REMOVAL

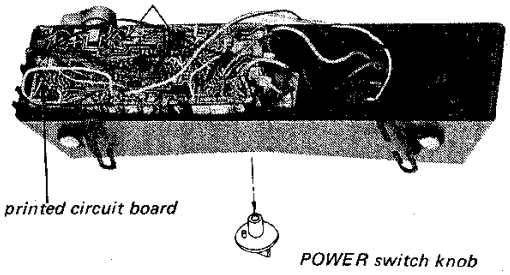


2-3. REAR CABINET REMOVAL



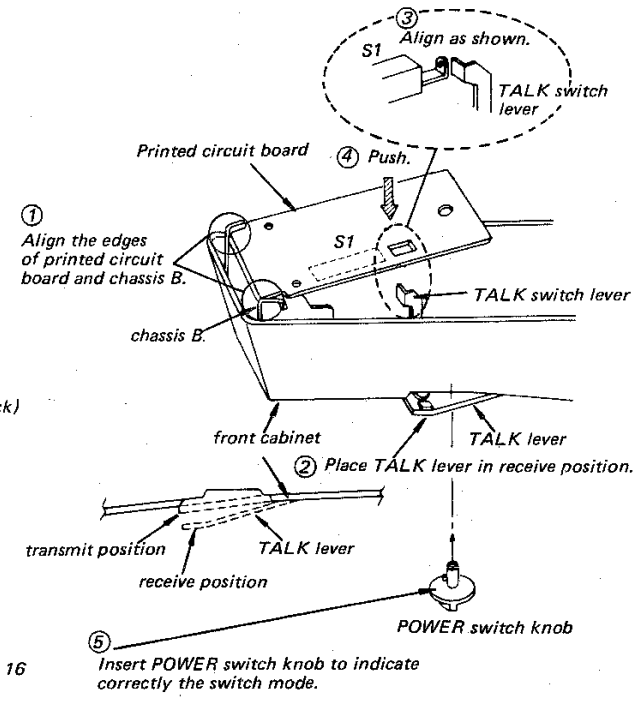
2-4. PRINTED CIRCUIT BOARD REMOVAL

After rear cabinet removal, lift printed circuit board in the direction shown by arrow.



2-5. PRINTED CIRCUIT BOARD INSTALLATION

Proceed in numerical order.



SECTION 3

ADJUSTMENTS

1. POWER VOLTAGE ADJUSTMENT

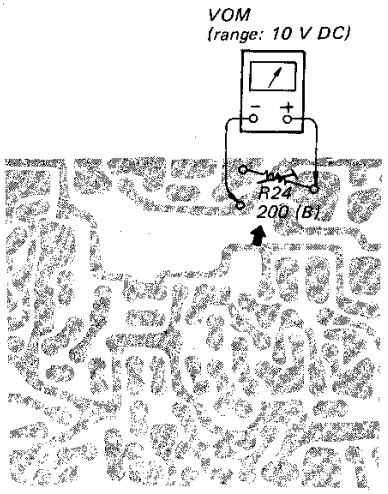
Control/Switch Setting:

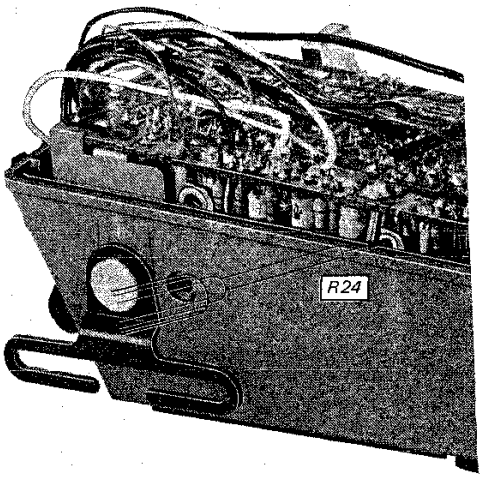
POWER switch:	ON
VOLUME control:	fully counterclockwise
Power source	12 V DC

Procedure:

Mode: Receiving

Adjust R24 for 6 V VOM reading.





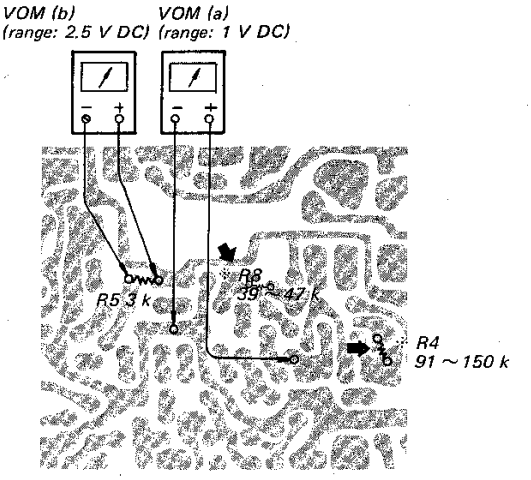
2. I-F SECTION DC BIAS ADJUSTMENT

Control/Switch Setting:

Power switch:	ON
VOLUME control:	fully counterclockwise
SQUELCH control:	MIN
Power source:	12 V DC

Procedure:

1. Mode: Receiving



2. Select R8 resistance between 39 kΩ and 47 kΩ for 0.19 V DC on VOM (a). Low resistance increases the voltage.
3. Select R4 resistance between 91 kΩ and 150 kΩ for 0.4 to 0.7 V on VOM (b). Low resistance increases the voltage.

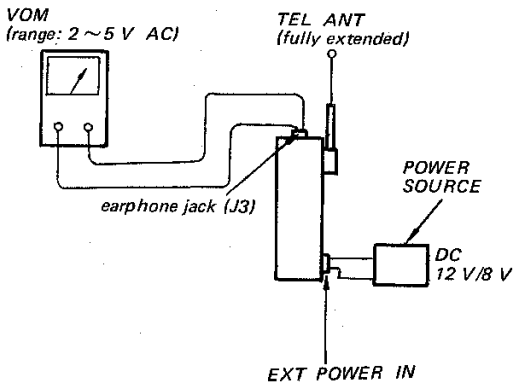
3. SENSITIVITY ADJUSTMENT

Control/Switch Setting:

POWER switch: ON
SQUELCH control: MIN
VOLUME control: MAX
Channel switch: CH-A (E, USA model only)
Fully extend telescopic antenna.
Use noise as input signal.

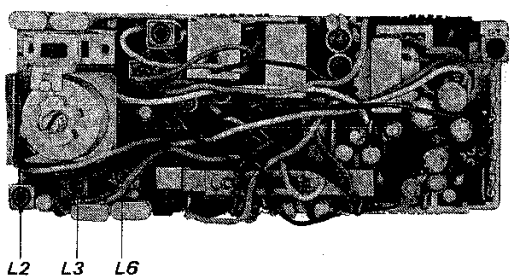
Procedure:

1.



2. With 12 V DC power voltage, adjust L2 and L3 for maximum VOM reading.
3. When decreasing power voltage to 8 V DC, ensure that noise is audible.
4. If necessary, adjust L6.

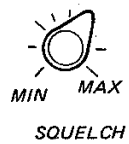
After adjustment, fix the cores with wax.



4. SQUELCH LEVEL ADJUSTMENT

Control/Switch Setting:

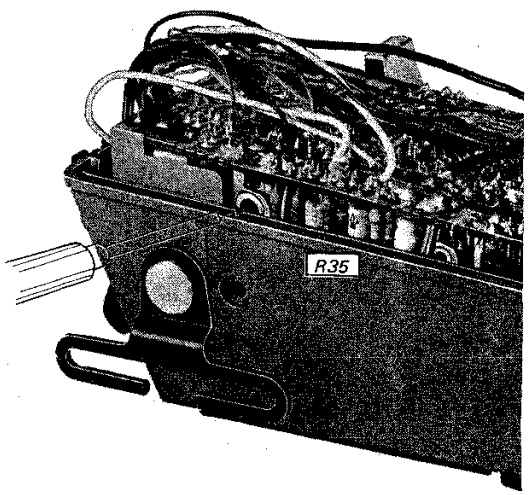
POWER switch: ON
VOLUME control: MAX
SQUELCH control: as shown below.



Channel switch: Channel for no signal input.

Procedure:

Adjust R35 so that noise is not audible.



5. TRANSMITTER OUTPUT POWER ADJUSTMENT

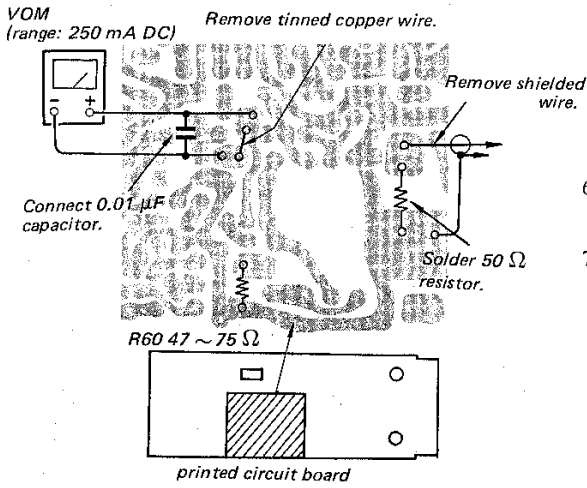
Control/Switch Setting:

POWER switch: ON
Power source: 12 V DC
Channel switch: CH-A (E, USA model only)

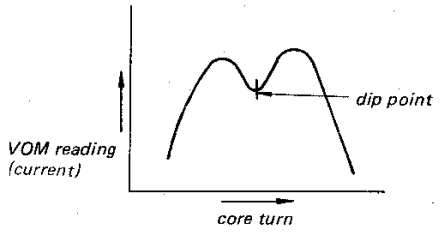
Insert mini plug into MIC jack so that input signal does not enter through microphone.

Procedure:

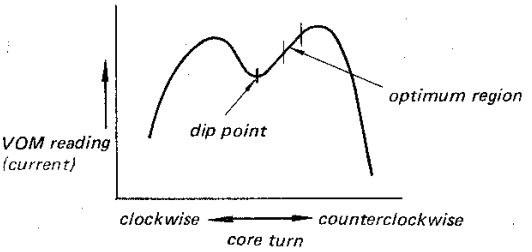
1.



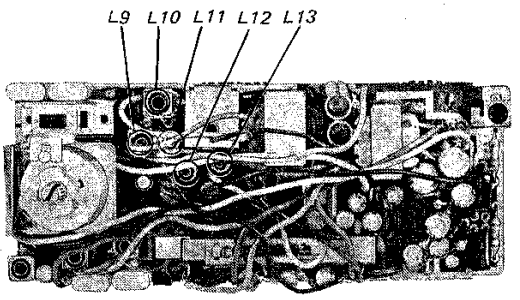
2. Remove spring attached to receive/transmit switch. Then the unit is placed in transmitting mode.
3. Turn L11, L12 and L13 cores for highest VOM reading.
4. Turn L10 core for dip point on VOM as shown.



5. Turn L9 core fully clockwise and then slowly counterclockwise. Get dip point and further turn L9 core counterclockwise one or two turns.



6. Select R60 resistance from 47 Ω to 75 Ω for 100 mA ± 10 mA VOM reading.
7. After adjustment, solder tinned copper wire and shielded wire and remove 50 Ω resistor.



6. LOADING COIL ADJUSTMENT

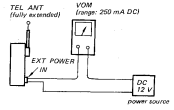
Control/Switch Setting:

POWER switch: ON
Power source: 12 V DC
Channel switch: CH-A (E, USA model only)
Fully extend telescopic antenna.

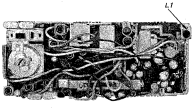
Insert mini plug into MIC jack so that input signal does not enter through microphone.

Procedure:

Mode: transmitting

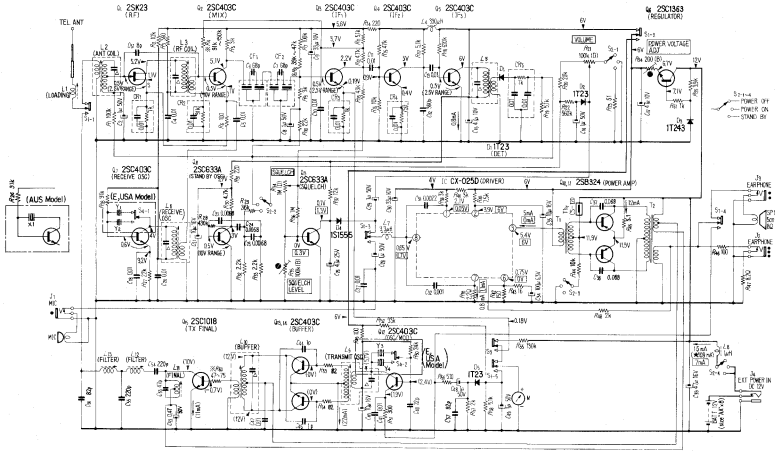


Turn L1 core for lowest VOM reading.
After adjustment, fix the core with wax.



SECTION 4
DIAGRAMS

4-1. SCHEMATIC DIAGRAM



Note:
All resistors and capacitors are in Ω and μF, unless otherwise specified.
Letter in [ ] suffixed to variable resistor value indicates characteristics.
Voltage and current values are measured with no input signal and no modulation.

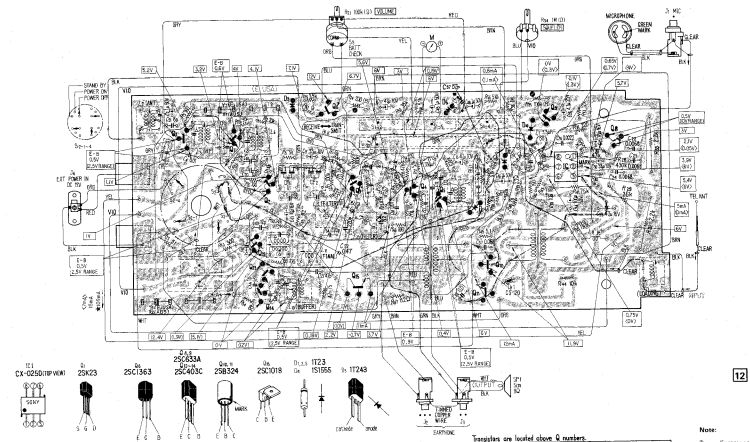
( ): transmitting mode
□: STAND BY mode with no oscillation signal output
★: total current in transmitting mode with telescopic antenna fully extended.
◐: adjustable resistors
△: capacitors included in i-f transformers
#: adjustment resistors
—: B + line

Switch mode:

Ref No.	Switch	Mode
S1-1 ~ 5	receive/transmit	receive
S2-1 ~ 4	POWER	OFF
S3	BATT CHECK	ON
S4-1 ~ 2	Channel (E,USA) (model)	CH-A

4-2. MOUNTING DIAGRAM

– Conductor Side –



12

Note:

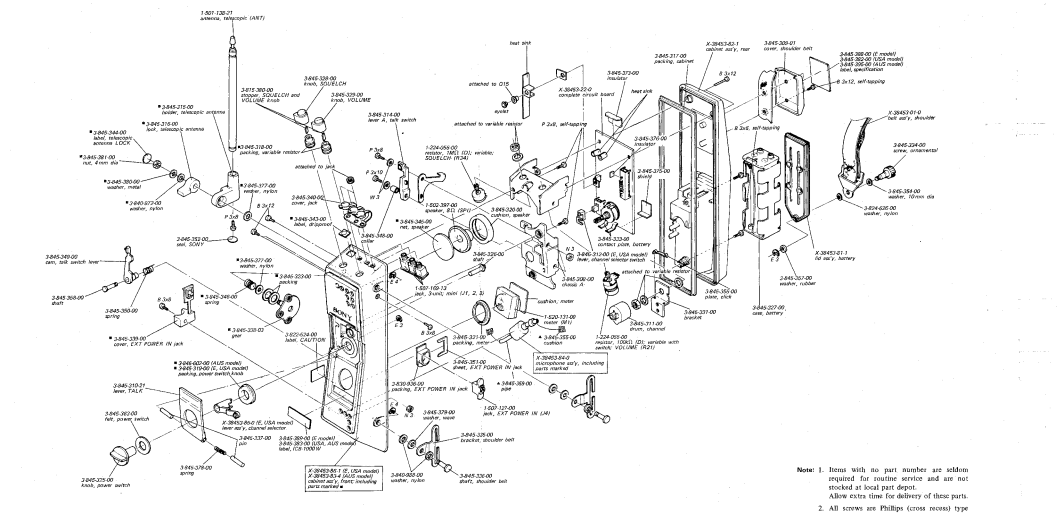
- ⊕ : adjustment resistors
- △ : capacitors included in I-F transformers
- ◐ : adjustable resistors

Voltage and current values are measured with no input signal and no modulation.

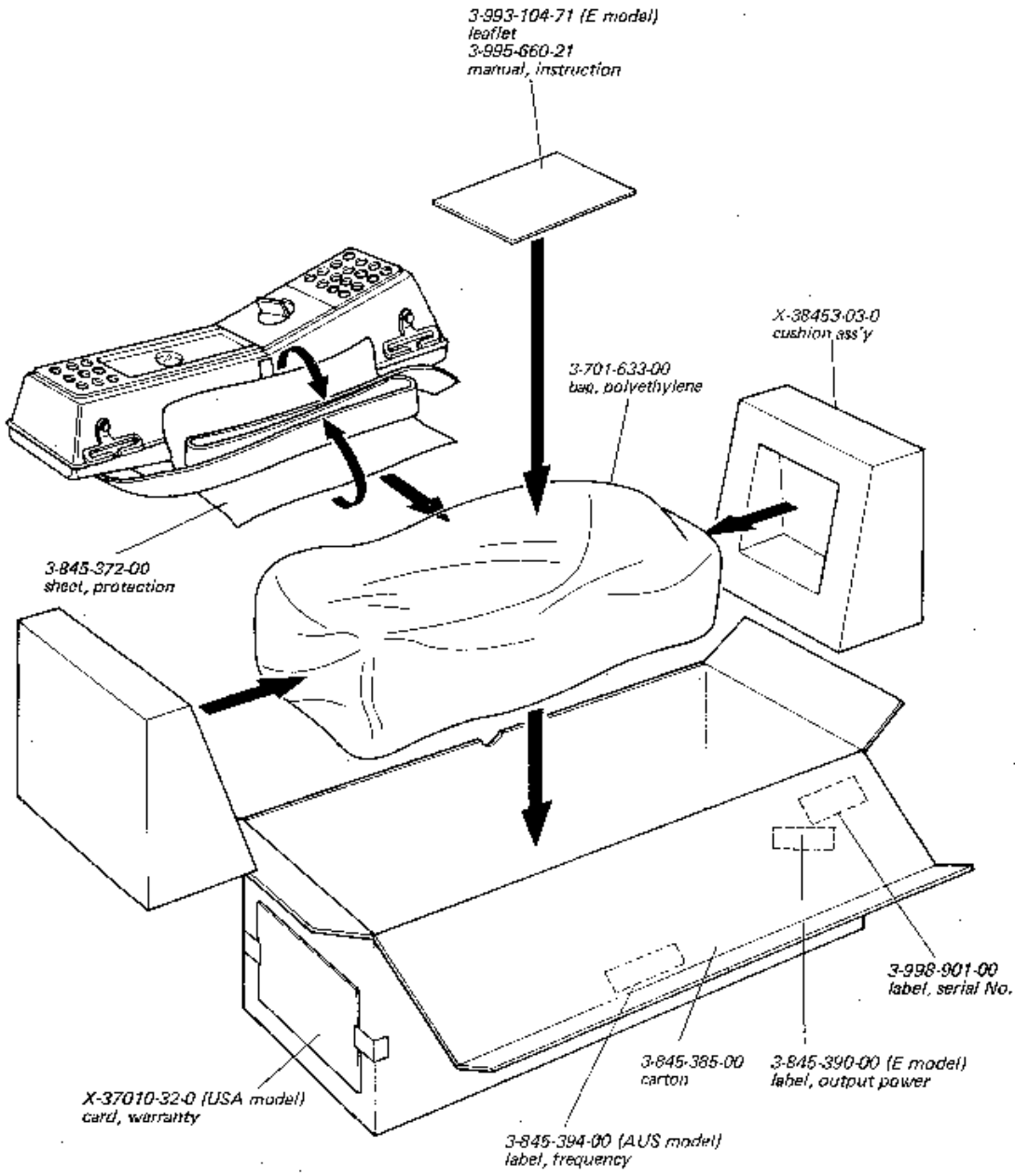
- ★ : total current in transmitting mode with telescopic antenna fully extended.
- ( ) : transmitting mode
- < > : STAND BY mode with no oscillation signal ouuput
- ——— : signal path in receiving mode
- ■ : mounted on conductor side

SECTION 5
EXPLODED VIEW AND PACKING

5-1. EXPLODED VIEW


1-507-130-21 antenna, telescopic (ANT)
3-845-344-00 label, telescopic antenna LOCK
3-845-281-00 nut, 4mm dia
3-845-380-00 washer, metal
3-845-377-00 washer, nylon
3-845-377-00 washer, nylon
3-845-211-00 holder, telescopic antenna
3-845-316-00 lock, telescopic antenna
3-845-338-00 knob, SQUELCH
3-845-339-00 knob, VOLUME
3-845-314-00 lever A, talk switch
3-845-318-00 packing, variable resistor
1-234-058-00 resistor, (MO) (ED), variable; SQUELCH (R34)
3-845-340-00 cover, jack
3-845-343-00 label, dropproof
3-845-346-00 nut, square
3-845-348-00 collar
1-502-397-00 speaker, ED, (SPU)
3-845-320-00 cushion, speaker
3-845-329-00 packing
3-845-322-00 packing
3-845-345-00 spring
3-845-333-00 gear
3-845-335-00 packing, meter
3-845-337-00 packing, EXT POWER IN jack
3-845-339-00 cover, EXT POWER IN jack
3-845-607-00 (AUS model) 3-845-319-00 (C, USA model) packing, power switch knob
3-845-210-21 lever, TALK
3-845-302-00 felt, power switch
3-845-337-00 pin
3-845-378-00 spring
3-845-225-00 knob, power switch
3-845-369-00 (C model) 3-845-381-00 (USA, AUS model) label, ICB-1000W
X-3845-85-1 (E, USA model) X-3845-83-4 (AUS model) cabinet ass'y, front, including parts marked ★
3-845-320-00 cushion, meter
1-520-131-00 meter (M1)
3-845-355-00 cushion
3-845-351-00 sheet, EXT POWER IN jack
3-845-369-00 pipe
2-830-535-00 packing, EXT POWER IN jack
3-845-379-00 washer, wave
1-507-121-00 jack, EXT POWER IN (JA)
3-845-326-00 bracket, shoulder belt
3-845-336-00 shaft, shoulder belt
3-840-505-00 washer, nylon
heat shirk
attached to C15
eyelet
attached to variable resistor
P 2x8, self-tapping
attached to jack
P 3x8
P 2x10
W 3
B 3x12
P 2x6
B 3x8
B 2.6
B 3x6
X-3845-23-0 complete circuit board
heat shirk
3-845-373-00 insulator
3-845-376-00 insulator
3-845-375-00 sheet
3-845-333-00 contact plate, battery
attached to variable resistor
3-845-310-00 (I, USA model) lever, channel selector switch
3-845-330-00 chassis A
3-845-337-00 bracket
1-224-203-00 resistor, (SEG), (D), variable with switch, VOLUME (R21)
3-845-311-00 drum, channel
X-3845-84-0 microphone ass'y, including parts marked
2-845-217-00 packing, cabinet
X-3845-82-1 cabinet ass'y, rear
3-845-309-01 cover, shoulder belt
3-845-388-00 (E model) 3-845-382-00 (USA model) 3-845-200-00 (AUS model) label, specification
B 3x12, self-tapping
B 2x6, self-tapping
X-3845-81-0 belt ass'y, shoulder
3-845-224-00 screw, antenna/ant
3-845-384-00 washer, 10mm dia
3-834-626-00 washer, nylon
X-3845-81-1 lid ass'y, battery
2-845-267-00 washer, rubber
3-845-355-00 plate, click
3-845-227-00 case, battery
3-845-549-00 cam, talk switch lever
3-845-368-00 shaft
3-845-350-00 spring
3-845-339-00 cover, EXT POWER IN jack
3-845-210-21 lever, TALK
3-845-302-00 felt, power switch
3-845-225-00 knob, power switch
3-845-378-00 spring
3-845-337-00 pin
3-845-369-00 (C model) 3-845-381-00 (USA, AUS model) label, ICB-1000W
X-3845-85-1 (E, USA model) X-3845-83-4 (AUS model) cabinet ass'y, front, including parts marked ★
3-840-505-00 washer, nylon
3-845-336-00 shaft, shoulder belt
3-845-326-00 bracket, shoulder belt
1-507-121-00 jack, EXT POWER IN (JA)
3-845-379-00 washer, wave
2-830-535-00 packing, EXT POWER IN jack
3-845-369-00 pipe
3-845-351-00 sheet, EXT POWER IN jack
3-845-355-00 cushion
3-845-335-00 packing, meter
1-520-131-00 meter (M1)
3-845-320-00 cushion, meter
3-845-337-00 pin
3-845-333-00 gear
3-845-345-00 spring
3-845-339-00 cover, EXT POWER IN jack
3-845-607-00 (AUS model) 3-845-319-00 (C, USA model) packing, power switch knob
3-845-210-21 lever, TALK
3-845-302-00 felt, power switch
3-845-225-00 knob, power switch
3-845-378-00 spring
3-845-337-00 pin
3-845-369-00 (C model) 3-845-381-00 (USA, AUS model) label, ICB-1000W
X-3845-85-1 (E, USA model) X-3845-83-4 (AUS model) cabinet ass'y, front, including parts marked ★
3-840-505-00 washer, nylon
3-845-336-00 shaft, shoulder belt
3-845-326-00 bracket, shoulder belt
1-507-121-00 jack, EXT POWER IN (JA)
3-845-379-00 washer, wave
2-830-535-00 packing, EXT POWER IN jack
3-845-369-00 pipe
3-845-351-00 sheet, EXT POWER IN jack
3-845-355-00 cushion
3-845-335-00 packing, meter
1-520-131-00 meter (M1)
3-845-320-00 cushion, meter
3-845-337-00 bracket
1-224-203-00 resistor, (SEG), (D), variable with switch, VOLUME (R21)
3-845-311-00 drum, channel
X-3845-84-0 microphone ass'y, including parts marked
2-845-217-00 packing, cabinet
X-3845-82-1 cabinet ass'y, rear
3-845-309-01 cover, shoulder belt
3-845-388-00 (E model) 3-845-382-00 (USA model) 3-845-200-00 (AUS model) label, specification
B 3x12, self-tapping
B 2x6, self-tapping
X-3845-81-0 belt ass'y, shoulder
3-845-224-00 screw, antenna/ant
3-845-384-00 washer, 10mm dia
3-834-626-00 washer, nylon
X-3845-81-1 lid ass'y, battery
2-845-267-00 washer, rubber
3-845-355-00 plate, click
3-845-227-00 case, battery
3-845-333-00 contact plate, battery
attached to variable resistor
3-845-310-00 (I, USA model) lever, channel selector switch
3-845-330-00 chassis A
3-845-337-00 bracket
3-845-311-00 drum, channel
1-224-203-00 resistor, (SEG), (D), variable with switch, VOLUME (R21)
3-845-549-00 cam, talk switch lever
3-845-368-00 shaft
3-845-350

5-2. PACKING



Note: 1. Parts without part numbers and names are not available.

SECTION 6

ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description	
	X-38453-22-0	complete circuit board	
		SEMICONDUCTORS	
D1		diode	1T23
D2		diode	1T23
D3		diode	1T243
D4		diode	1S1555
D5		diode	1T23
IC1		integrated circuit	CX-025D
Q1		FET	2SK23
Q2		transistor	2SC403C
Q3		transistor	2SC403C
Q4		transistor	2SC403C
Q5		transistor	2SC403C
Q6		transistor	2SC1363
Q7		transistor	2SC403C
Q8		transistor	2SC633A
Q9		transistor	2SC633A
Q10		transistor	2SB324
Q11		transistor	2SB324
Q12		transistor	2SC403C
Q13		transistor	2SC403C
Q14		transistor	2SC403C
Q15		transistor	2SC1018
TH1	1-800-192-00	thermister	CS-120
		COILS AND TRANSFORMERS	
L1	1-401-385-00	coil, loading	
L2	1-401-384-00	coil, antenna	
L3	1-425-374-00	coil, rf	
L4	1-407-175-00	330 µH, micro inductor	
L5	1-403-137-00	transformer, i-f	
L6	1-405-163-00	coil, receive osc	
L7	1-407-184-00	3.3 µH, micro inductor	
L8	1-407-400-00	1 µH, micro inductor	
L9	1-405-164-00	coil, transmit osc	
L10	1-425-744-00	coil, buffer	
L11	1-425-627-00	coil, final	
L12	1-407-660-00	coil, filter	
L13	1-407-449-00	coil, filter	
T1	1-423-064-21	transformer, driver	
T2	1-459-093-00	transformer, modulator	
		CAPACITORS	

All capacitors are in µF except as indicated with p which means µµF.

Ref. No.	Part No.	Description		
C1		----------		
C2	1-121-391-11	1	50 V	electrolytic
C3		----------		
C4	1-101-923-11	0.01		ceramic
C5	1-101-923-11	0.01		ceramic
C6	1-101-889-11	68 p		ceramic
C7	1-101-889-11	68 p		ceramic
C8	1-121-391-11	1	50 V	electrolytic
C9	1-121-402-11	33	10 V	electrolytic
C10	1-101-923-11	0.01		ceramic
C11	1-101-923-11	0.01		ceramic
C12	1-107-231-11	360 p		mica
C13	1-101-923-11	0.01		ceramic
C14		----------		
C15	1-121-352-11	47	10 V	electrolytic
C16	1-121-391-11	1	50 V	electrolytic
C17	1-121-352-11	47	10 V	electrolytic
C18	1-101-923-11	0.01		ceramic
C19		----------		
C20	1-101-923-11	0.01		ceramic
C21	1-121-651-11	10	16 V	electrolytic
C22	1-105-831-12	0.0068		mylar
C23		----------		
C24	1-105-831-12	0.0068		mylar
C25	1-105-831-12	0.0068		mylar
C26	1-121-395-11	4.7	25 V	electrolytic
C27	1-101-923-11	0.01		ceramic
C28	1-121-391-11	1	50 V	electrolytic
C29	1-121-391-11	1	50 V	electrolytic
C30	1-121-402-11	33	10 V	electrolytic
C31	1-105-825-12	0.0022		mylar
C32	1-105-821-12	0.001		mylar
C33		----------		
C34	1-121-413-11	100	6.3 V	electrolytic
C35	1-121-651-11	10	16 V	electrolytic
C36		----------		
C37	1-105-831-12	0.0068		mylar
C38	1-105-831-12	0.0068		mylar
C39	1-121-409-11	47	16 V	electrolytic
C40	1-102-949-11	12 p		ceramic
C41	1-101-923-11	0.01		ceramic
C42		----------		
C43	1-121-651-11	10	16 V	electrolytic
C44	1-102-934-11	1 p		ceramic
C45	1-102-934-11	1 p		ceramic
C46		----------		
C47	1-101-923-11	0.01		ceramic
C48	1-121-391-11	1	50 V	electrolytic
C49	1-121-391-11	1	50 V	electrolytic
C50		----------		
C51	1-102-945-11	8 p		ceramic
C52	1-121-726-11	0.047	50 V	electrolytic
C53	1-101-881-11	47 p		ceramic

Ref. No.	Part No.	Description	
C54	1-102-978-11	220 p	ceramic
C55	1-102-978-11	220 p	ceramic
C56	1-102-974-11	82 p	ceramic
C57	1-102-974-11	82 p	ceramic

RESISTORS

All fixed resistors are in Ω, ⅛ W, ± 5 % carbon type.
k = 1,000, M = 1,000 k

Ref. No.	Part No.	Description	
R1	1-240-521-11	100 k	
R2	1-240-497-11	10 k	
R3	1-240-462-11	360	
R4	1-240-520-11	91 k	for adjustment
	1-240-521-11	100 k	
	1-240-522-11	110 k	
	1-240-523-11	120 k	
	1-240-524-11	130 k	
	1-240-525-11	150 k	
R5	1-240-484-11	3 k	
R6	1-240-449-11	100	
R7	1-240-521-11	100 k	
R8	1-240-511-11	39 k	for adjustment
	1-240-512-11	43 k	
	1-240-513-11	47 k	
R9	1-240-484-11	3 k	
R10	1-240-505-11	22 k	
R11	1-240-490-11	5.1 k	
R12	1-240-489-11	4.7 k	
R13	1-240-512-11	43 k	
R14	1-240-457-11	220	
R15	1-240-513-11	47 k	
R16	1-240-497-11	10 k	
R17	1-240-490-11	5.1 k	
R18	1-240-540-11	620 k	
R19	1-240-490-11	5.1 k	
R20	1-240-504-11	20 k	
R21	1-224-055-00	100 k (B) variable with switch; VOLUME	
R22	1-240-539-11	560 k	
R23	1-240-442-11	51	
R24	1-221-632-00	200 (B) adjustable; B ÷ ADJ.	
R25	1-240-487-11	3.9 k	
R26	1-240-520-11	91 k	
R27	1-240-505-11	22 k	
R28	1-240-536-11	430 k	
R29	1-244-710-11	36 k	
R30	1-240-489-11	4.7 k	
R31	1-240-457-11	220	
R32	1-244-681-11	2.2 k	
R33	1-244-681-11	2.2 k	
R34	1-224-056-00	1 M (B) variable; SQUELCH	
R35	1-221-638-00	100 k (B) adjustable; squelch level	
R36	1-240-545-11	1 M	
R37	1-240-499-11	12 k	
R38	1-240-484-11	3 k	
R39	1-240-409-11	2.2	
R40	1-240-484-11	3 k	
R41	1-240-494-11	7.5 k	
R42	1-240-453-11	150	
R43	1-240-430-11	16	
R44	1-240-497-11	10 k	
R45	1-240-418-11	5.1	
R46	1-240-449-11	100	
R47	1-240-423-11	8.2	
R48	1-240-480-11	2 k	
R49	1-240-449-11	100	
R50	1-240-506-11	24 k	
R51	1-240-460-11	300	
R52	1-240-509-11	33 k	
R53	1-240-447-11	82	
R54	1-240-447-11	82	
R55	1-240-524-11	130 k	
R56	1-240-466-11	510	
R57	1-240-480-11	2 k	
R58	1-240-490-11	5.1 k	
R59		----------	
R60	1-240-441-11	47	for adjustment
	1-240-442-11	51	
	1-240-443-11	56	
	1-240-444-11	62	
	1-240-445-11	69	
	1-240-446-11	75	
R61	1-240-473-11	1 k	

MISCELLANEOUS

	X-38453-84-0	microphone ass'y
ANT	1-501-138-21	antenna, telescopic
CF1	1-403-161-13	filter, ceramic
CF2	1-403-161-13	filter, ceramic
CR1	1-231-216-00	encapsulated component; 1 kΩ + 0.01 μF
CR2	1-231-217-00	encapsulated component; 91 kΩ + 0.01 μF
CR3	1-231-216-00	encapsulated component; 1 kΩ + 0.01 μF
CR4	1-231-171-00	encapsulated component; 750 Ω + 0.01 μF
CR5	1-231-159-00	encapsulated component; 1 kΩ + 0.01 μF + 0.01 μF
J1 ~ 3	1-507-169-13	jack, 3-unit;
J4	1-507-127-00	jack, EXT POWER IN
M	1-520-131-00	meter,
S1	1-516-129-00	switch, push

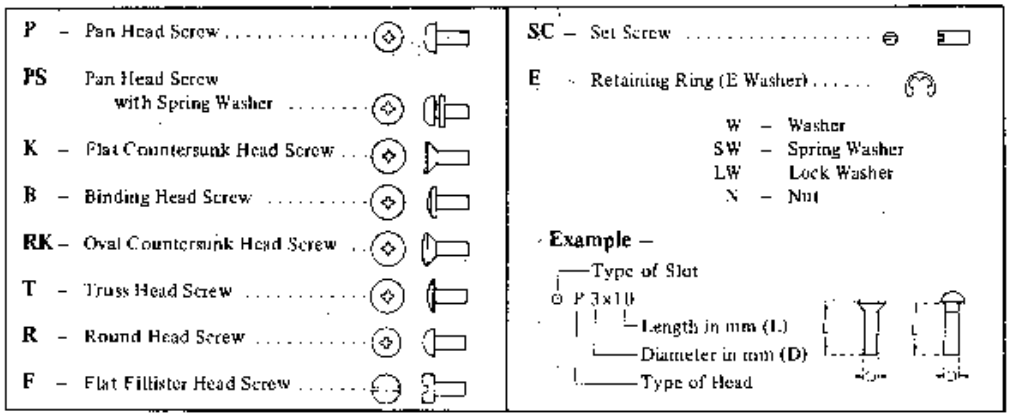
Ref. No.	Part No.	Description
S2	1-516-130-00	switch, rotary
S3		included in R21 (VOLUME)
S4	1-514-448-00	switch, slide (E, USA model)
SP1	1-502-397-00	speaker, 8 Ω
Y1	1-527-136-11	crystal unit, quartz; 26.630 MHz (E, USA model)
Y2	1-527-136-11	crystal unit, quartz; 26.580 MHz (E, USA model)
Y3	1-527-113-11	crystal unit, quartz; 27.085 MHz (E, USA model)
Y4	1-527-109-11	crystal unit, quartz; 27.035 MHz (E, USA model)
	1-507-901-12	nut, jack
	1-526-526-00	socket, quartz crystal unit
X1	1-527-208-11	crystal unit, quartz; 27.240 MHz (AUS model)
X2	1-527-209-11	crystal unit, quartz; 26.785 MHz (AUS model)

SECTION 7

HARDWARE

Part No.	Description
7-623-108-20	washer, plain; 3
7-623-508-01	lug, solder
7-623-633-01	eyelet; 3 x 5
7-624-106-01	ring, retaining; E-3
7-624-108-01	ring, retaining; E-4
7-682-148-01	screw, machine; P 3 x 8
7-682-149-01	screw, machine; P 3 x 10
7-682-547-15	screw, machine; B 3 x 6
7-682-548-15	screw, machine; B 3 x 8
7-682-550-15	screw, machine; P 3 x 12
7-684-023-00	nut; 3
7-685-146-21	screw, self-tapping; P 3 x 8
7-685-150-21	screw, self-tapping; P 3 x 16
7-685-548-25	screw, self-tapping; B 3 x 12

Hardware Nomenclature


P – Pan Head Screw
PS Pan Head Screw with Spring Washer
K – Flat Countersunk Head Screw
B – Binding Head Screw
RK – Oval Countersunk Head Screw
T – Truss Head Screw
R – Round Head Screw
F – Flat Fillister Head Screw
SC – Set Screw
E – Retaining Ring (E Washer)
W – Washer
SW – Spring Washer
LW Lock Washer
N – Nut
Example –
Type of Slot
P 3x10
Length in mm (L)
Diameter in mm (D)
Type of Head

9-950-024-01

Sony Corporation
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SB0608-1
Printed in Japan